

10	16	13
11	18	14
13	20	16
14	23	18
16	25	20
18	29	23

FIGURE 1A
(PRIOR ART)

9	11
10	12
11	14
12	16
14	17
15	20

FIGURE 1B
(PRIOR ART)

15
17
19
22
24
27

FIGURE 1C
(PRIOR ART)

1	1	1	1/2
1	1/2	-1	-1
1	-1/2	-1	1
1	-1	1	-1/2

FIGURE 2A
(PRIOR ART)

13	19	17	9	13	15	7	3
13	15	7	3	-13	-19	-17	-9
13	9	-7	-19	-13	-3	17	15
13	3	-17	-15	13	9	-7	-19
13	-3	-17	15	13	-9	-7	19
13	-9	-7	19	-13	3	17	-15
13	-15	7	-3	-13	19	-17	9
13	-19	17	-9	13	-15	7	-3

FIGURE 2B
(PRIOR ART)

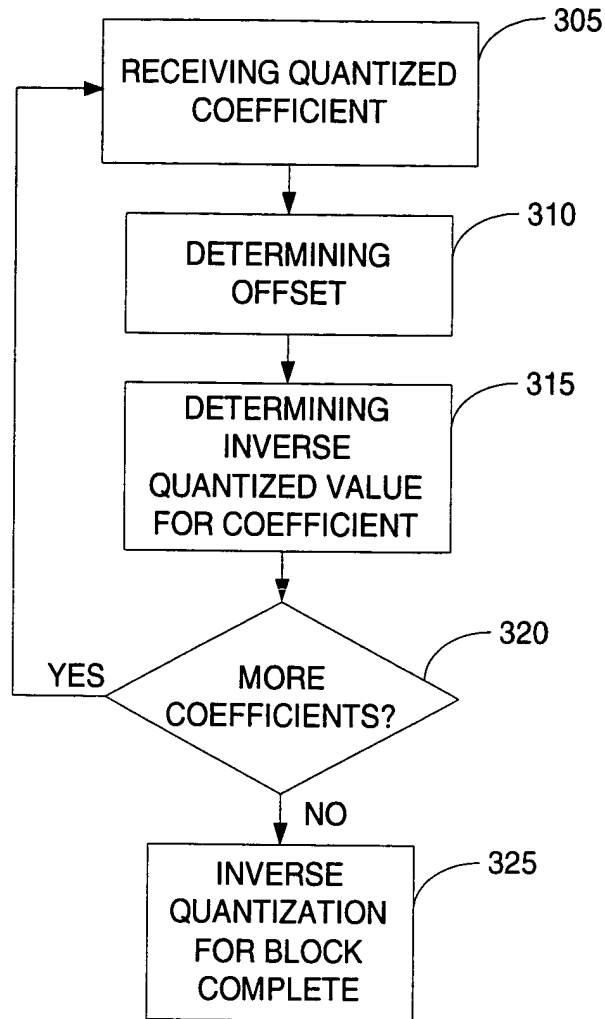


FIGURE 3

1	12/8	1	10/8	1	6/8	1/2	3/8
1	10/8	1/2	-3/8	-1	-12/8	-1	-6/8
1	6/8	-1/2	-12/8	-1	3/8	1	10/8
1	3/8	-1	-6/8	1	10/8	-1/2	-12/8
1	-3/8	-1	6/8	1	-10/8	-1/2	12/8
1	-6/8	-1/2	12/8	-1	-3/8	1	-10/8
1	-10/8	1/2	3/8	-1	12/8	-1	6/8
1	-12/8	1	-10/8	1	-6/8	1/2	-3/8

FIGURE 4

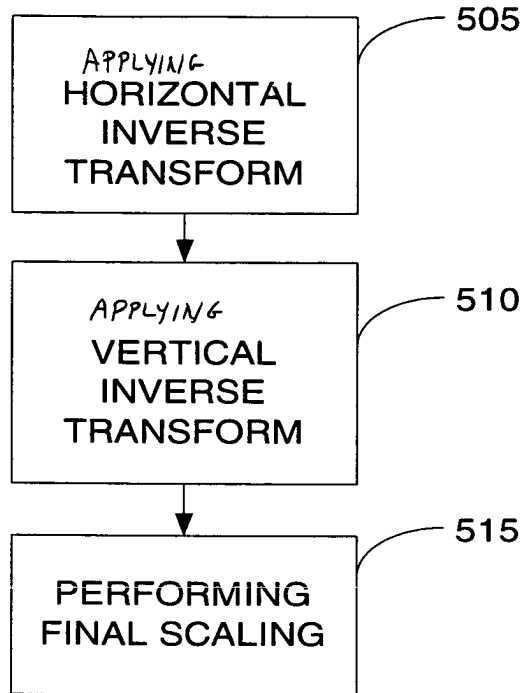


FIGURE 5

```

a[0] = in[0] + in[4];
a[4] = in[0] - in[4];
a[2] = (in[2]>>1) - in[6];
a[6] = in[2] + (in[6]>>1);

b[0] = a[0] + a[6];
b[2] = a[4] + a[2];
b[4] = a[4] - a[2];
b[6] = a[0] - a[6];

a[1] = -in[3] + in[5] - in[7] - (in[7]>>1);
a[3] = in[1] + in[7] - in[3] - (in[3]>>1);
a[5] = -in[1] + in[7] + in[5] + (in[5]>>1);
a[7] = in[3] + in[5] + in[1] + (in[1]>>1);

b[1] = a[1] + (a[7]>>2);
b[7] = -(a[1]>>2) + a[7];
b[3] = a[3] + (a[5]>>2);
b[5] = (a[3]>>2) - a[5];
out[0] = b[0] + b[7];
out[1] = b[2] + b[5];
out[2] = b[4] + b[3];
out[3] = b[6] + b[1];
out[4] = b[6] - b[1];
out[5] = b[4] - b[3];
out[6] = b[2] - b[5];
out[7] = b[0] - b[7];
  
```

FIGURE 6

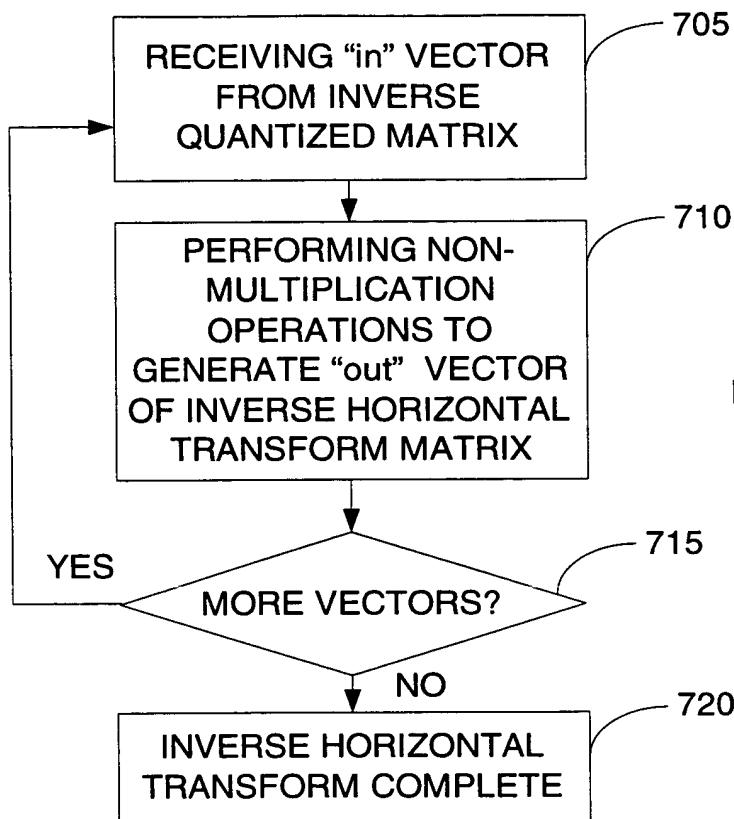


FIGURE 7

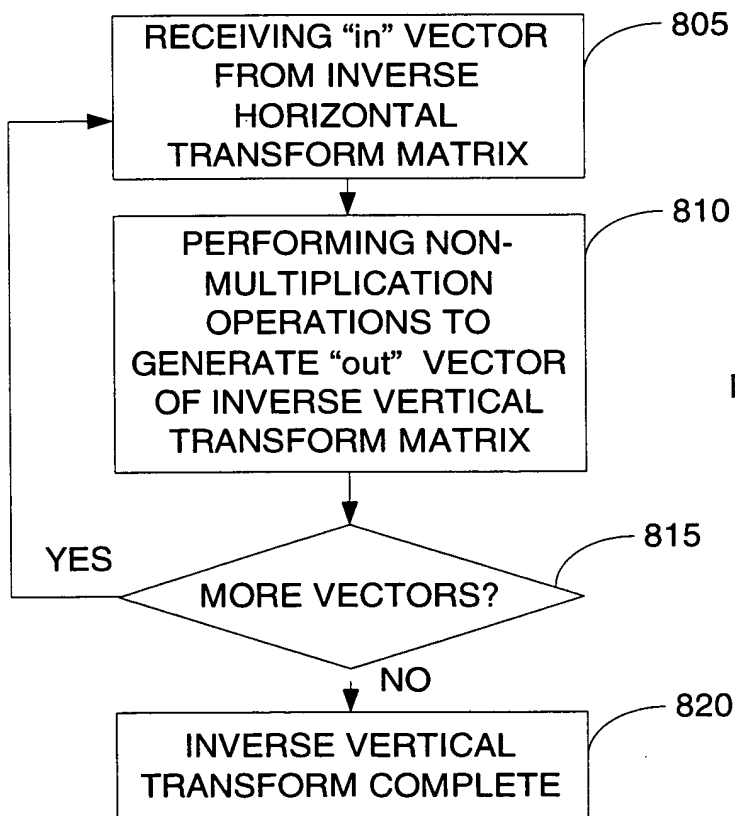


FIGURE 8

1	1.25	1	0.5
1	0.5	-1	-1.25
1	-0.5	-1	1.25
1	-1.25	1	-0.5

FIGURE 9

$$z[0] = x[0] + x[2]$$

$$z[1] = x[0] - x[2]$$

$$z[2] = x[1] + (x[1] + 2 \gg 2) + (x[3] \gg 1)$$

$$z[3] = (x[1] \gg 1) - x[3] - (x[3] + 2 \gg 2)$$

$$y[0] = z[0] + z[2]$$

$$y[1] = z[1] + z[3]$$

$$y[2] = z[1] - z[3]$$

$$y[3] = z[0] - z[2]$$

FIGURE 10

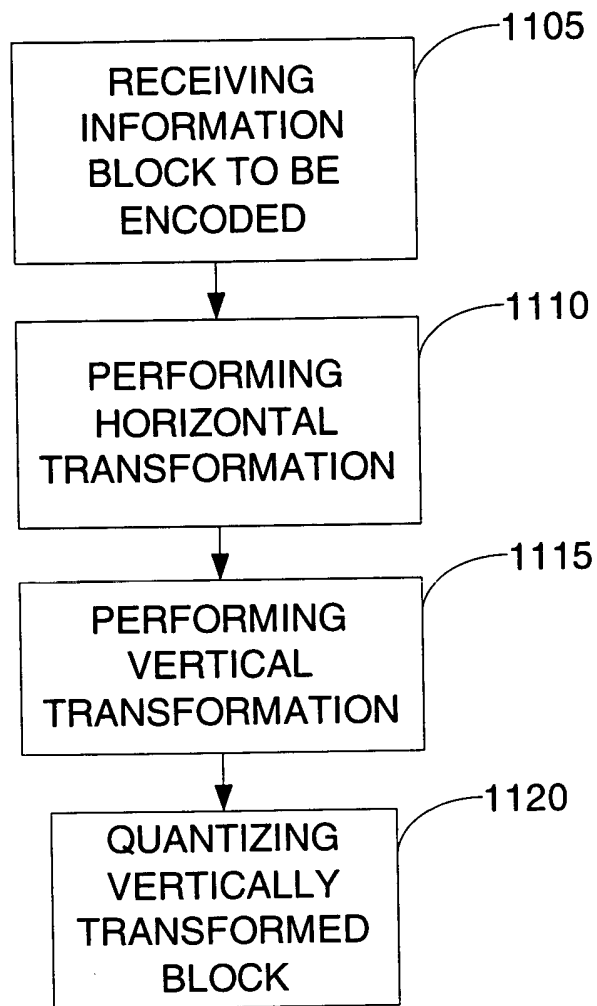


FIGURE 11

1	2	1	1
1	1	-1	-2
1	-1	-1	2
1	-2	1	-1

FIGURE 12

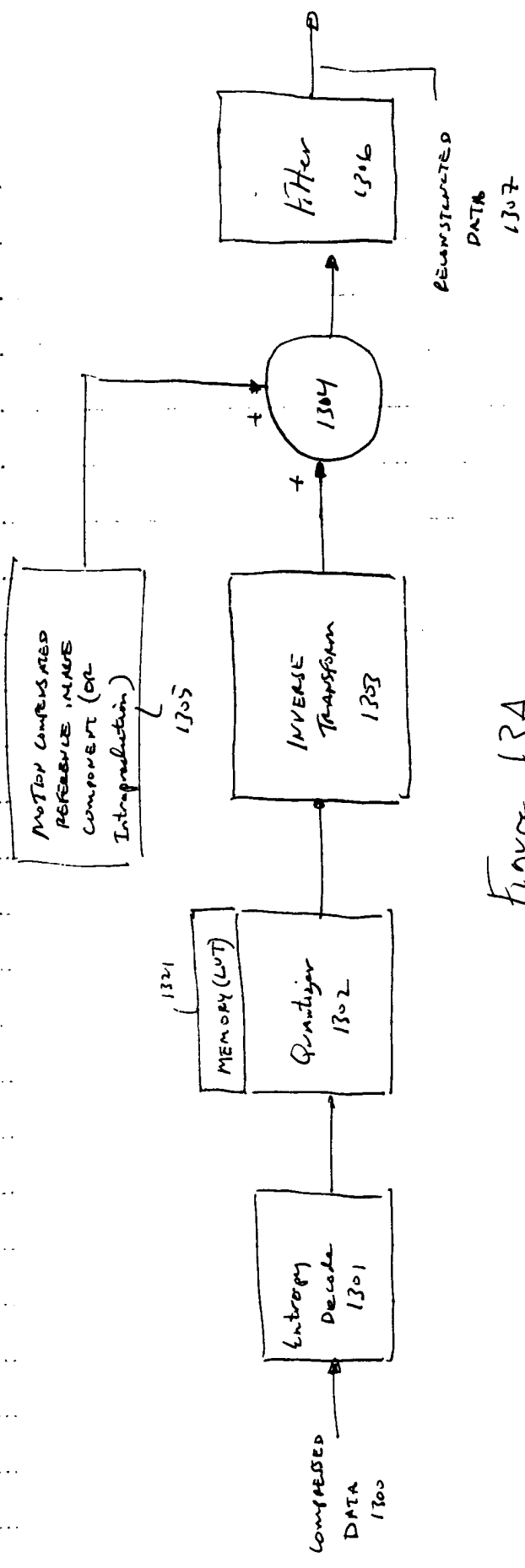


Figure 13A

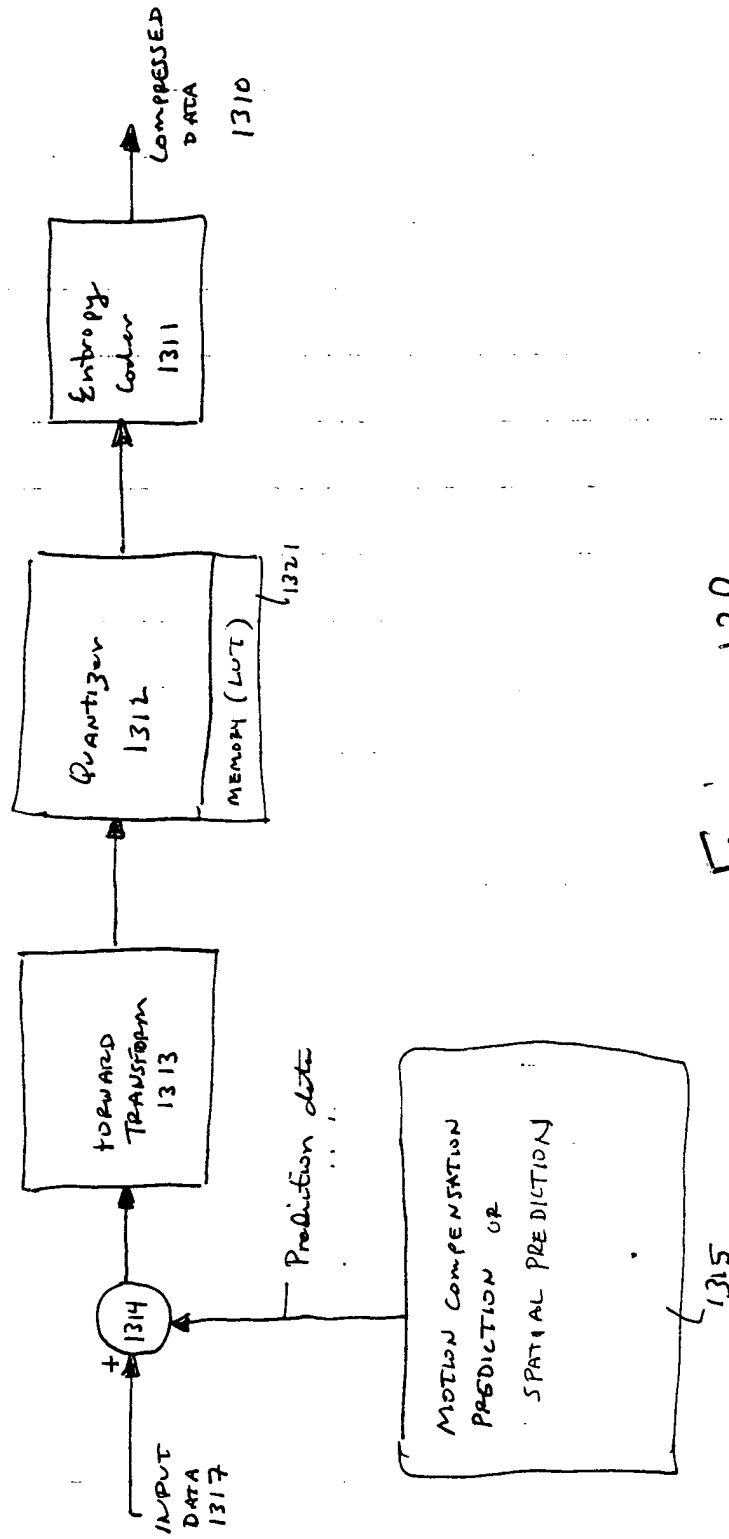


Figure 13B

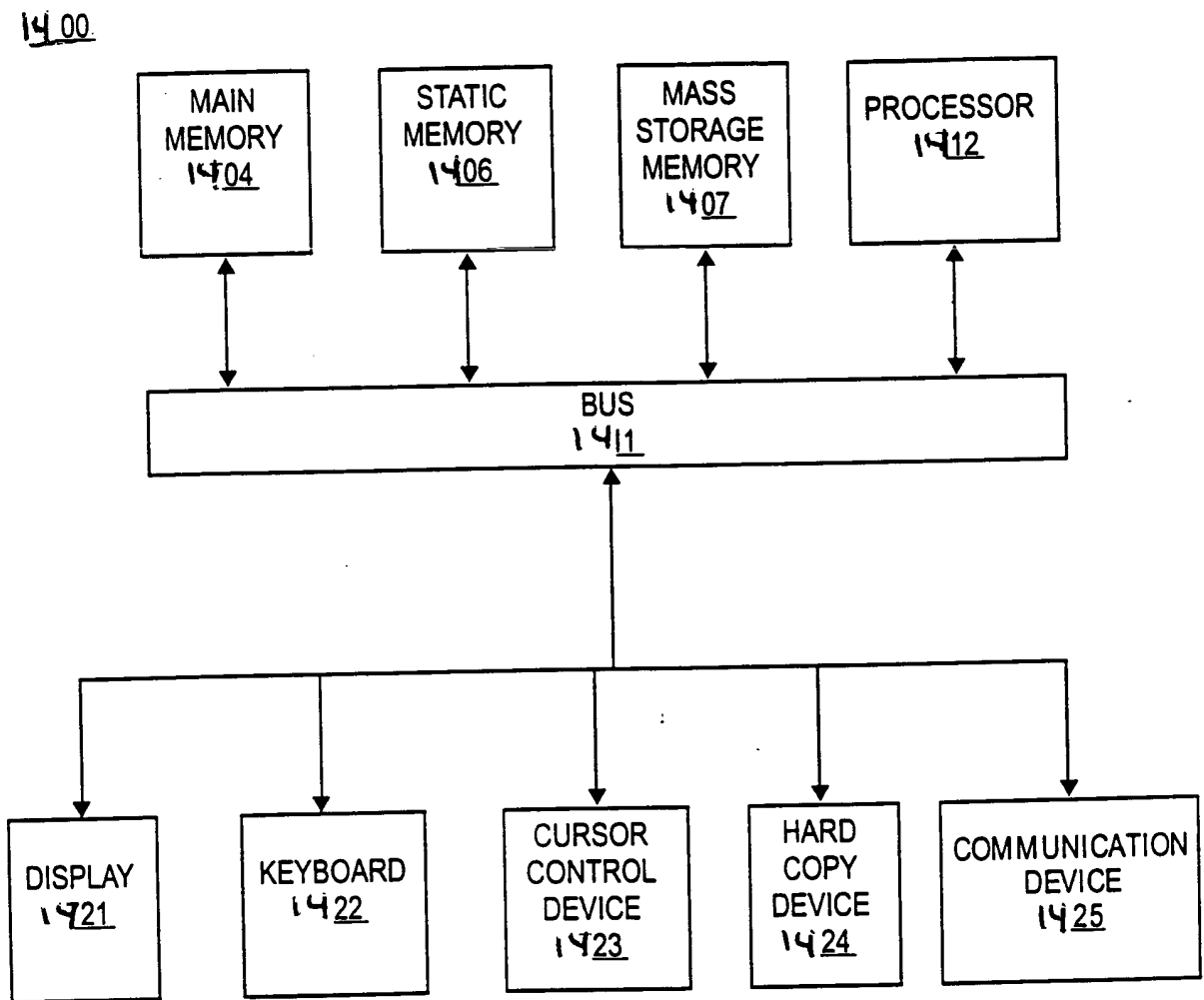


FIG. 14